



MCNB-Z Series Zero Backlash Power Off Brake



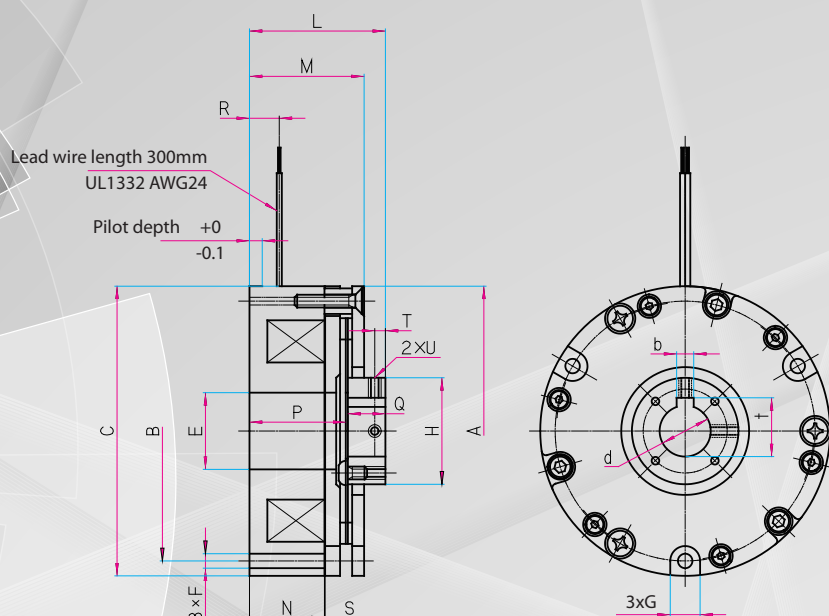
- ⓘ Ideal for precise positioning in robotics and medical equipment
- ⓘ Quiet operation, 60dB or less, with zero backlash in both the axial and rotational direction
- ⓘ Variety of compact models available and compatible with motor frames



"What You Need in a Clutch®"

MCNB-Z Series

Zero backlash, power off brake



MCNB-Z		3	15	40
Static Torque Rating [N · m]		0.38	1.52	3.80
Moment of Inertia $J \times 10^{-4} [\text{kg} \cdot \text{m}^2]$		0.002	0.017	0.053
Bore [mm] dH7		7	10	12
Keyway [mm] b JS9 × t		2 × 8 + 0.15/0	3 × 11.4 + 0.15/0	4 × 13.8 + 0.15/0
	A	35	52	68
	B ±0.2	30	46	61
	C 0/-0.1	35	52	68
	E	9	12	18
	F	2.9	2.9	3.4
	G	5.6	6	6.5
	H	14.5	20	25
	L	31	28	32
	M	27.7	24	27
	N	20.7	16	17.6
	P	25	20.6	22.6
	Q	5.5	6.8	8.8
	R	6	6.5	7
	S Initial Air Gap	0.10~0.17	0.10~0.19	0.10~0.19
	T	1.8	2	2.5
	U	1.6	2	3
Mass [kg]		0.15	0.3	0.6

Size	Static Torque Rating (Nm)	Voltage (VDC)	Current (A)	Coil Resistance (Ω)	Power (W)	Engagement time (ms)	Release time (ms)	Max permissible speed (r/min)
3	0.38	24.0	0.25	94.4	6.1	40	10	6000
15	1.52	24.0	0.30	78.9	7.3	50	20	6000
40	3.80	24.0	0.35	67.8	8.5	70	20	6000



"What You Need in a Clutch"

100 Randolph Road • Somerset, NJ 08875-5790 • Tel: (732) 271-7361

www.ogura-clutch.com